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Substitute for form 1449A/PTO

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

*(use as many sheets as necessary)*

Sheet	1	of	3
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**Complete If Known**

Application Number	09/617,439
Filing Date	July 14, 2000
First Named Inventor	Jin-Meng Ho et al.
Art Unit	2664
Examiner Name	W. Chin
Attorney Docket Number	003493.00086

## U.S. PATENT DOCUMENTS

Examiner Initials *	Cite No.	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code <sup>2</sup> (if known)			
BW		US-5,012,469	04-30-1991	Sardana	
BW		US- 5,717,888	02-10-1998	Belanger et al.	
BW		US- 5,787,080	07-28-1998	Hulyalkar et al.	
BW		US- 5,949,768	09-07-1999	Citta et al.	
BW		US- 5,960,000	09-28-1999	Ruszczky et al.	
BW		US- 5,978,382	11-02-1999	Citta et al.	
BW		US- 6,034,967	03-07-2000	Citta et al.	
BW		US- 6,169,748	01-02-2001	Barbas et al.	
BW		US- 6,226,277	05-01-2001	Chuah	
BW		US- 6,238,656	05-22-2001	Westerberg et al.	
BW		US- 6,262,976	07-17-2001	McNamara	
BW		US- 6,263,204	07-17-2001	Kusaki et al.	
BW		US- 6,285,886	09-04-2001	Kamel et al.	
BW		US- 6,317,438	11-13-2001	Trebes, Jr.	
BW		US- 6,356,555	03-12-2002	Rakib et al.	
BW		US- 6,370,153	04-09-2002	Eng	
BW		US- 6,377,548	04-23-2002	Chuah	
BW		US- 6,452,915	09-17-2002	Jorgensen	
BW		US- 6,469,991	10-22-2002	Chuah	
BW		US- 6,501,741	12-31-2002	Mikkonen et al.	

## FOREIGN PATENT DOCUMENTS

[illegible]

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October 2, 2003

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This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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Sheet 2 of 3

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		Number - Kind Code <sup>2</sup> (if known)			
BW		US- 6,515,972	02-04-2003	Gage et al.	
BW		US-6,519,462	02-11-2003	Lu et al.	
BW		US- 6,538,989	03-25-2003	Carter et al.	
BW		US- 6,542,490	04-01-2003	Ahmadvand et al.	
BW		US- 6,567,408	05-20-2003	Li et al.	
BW		US- 6,567,416	05-20-2003	Chuah	
BW		US- 6,577,609	06-10-2003	Sharony	
BW		US- 6,587,457	07-01-2003	Mikkonen	
BW		US- 6,587,465	07-01-2003	Dempo	
BW		US- 6,590,885	07-08-2003	Jorgensen	
BW		US- 6,600,744	07-29-2003	Carr et al.	
BW		US- 6,625,156	09-23-2003	Shaio et al.	
BW		US- 6,631,122	10-07-2003	Arunachalam et al.	
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**FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	7 <sup>6</sup>
		Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (if known)				

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Examiner Signature		Date Considered	October 2, 2005
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Filing Date	July 14, 2000
First Named Inventor	Jin-Meng Ho et al.
Group Art Unit	2664
Examiner Name	W. Chin
Attorney Docket Number	003493.00086

**OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS**

Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
Pw		Aad, Imat & Castelluccia, Claude, "Introducing Service Differentiation into IEEE 802.11", IEEE, 2000, pages 438-443.	
Pw		Ganz, Aura & Wongthavarawat, Kittl, "IEEE 802.11 Wireless LAN Association Procedure for Multimedia Applications", IEEE, 1999, pages 1287-1291.	
Pw		Ho, Jin-Meng & Lin, Wei, "IEEE P802.11 Wireless LANs, MediaPlex-An IEEE 802.11 Enhanced Protocol for QoS-Driven Wireless LANs", AT&T, November 2000, pages 1-25.	
Pw		Gong, Zhijun et al., "QoS Guaranteed Wireless LAN" International Conference on Communication Technology, ICCT, October 22-24, 1998.	
BW		Call, F. et al., "IEEE 802.11 Wireless LAN: Capacity Analysis and protocol Enhancement, IEEE 1998.	
Pw		Deng, Dr-Jiunn & Chang, Ruay-Shiung, "A Priority Scheme for IEEE 802.11 DCF Access Method", IEICE Trans. Commun., Vol. E82-B, No. 1, January 1999.	

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October 2, 2003

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PTO/SB/08b(06-03)

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Substitute for form 1449A/PTO		<b>Complete If Known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)		Application Number	09/617,439
		Filing Date	July 14, 2000
		First Named Inventor	Jin-Meng Ho et al.
		Group Art Unit	2684
		Examiner Name	W. Chin
Sheet 3 of 3	Attorney Docket Number	003493.00086	

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No. 1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
PW		Aad, Inat & Castelluola, Claude, "Introducing Service Differentiation into IEEE 802.11", IEEE, 2000, pages 439-443.	
PW		Ganz, Aura & Wongthavarawat, KRL, "IEEE 802.11 Wireless LAN Association Procedure for Multimedia Applications", IEEE, 1999, pages 1287-1291.	
PW		Ho, Jin-Meng & Lin, Wei, "IEEE 802.11 Wireless LANs, MediaPlus-An IEEE 802.11 Enhanced Protocol for QoS-Driven Wireless LANs", AT&T, November 2000, pages 1-25.	
PW		Gang, Zhijun et al., "QoS Guaranteed Wireless LAN" International Conference on Communication Technology, IOCT, October 22-24, 1999.	
PW		Call, F. et al., "IEEE 802.11 Wireless LAN: Capacity Analysis and protocol Enhancement", IEEE 1998.	
PW		Dang, Dr-Jiunn & Chang, Ruay-Shiung, "A Priority Scheme for IEEE 802.11 DCF Access Method", IEICE Trans. Commun., Vol. E82-B, No. 1, January 1999.	

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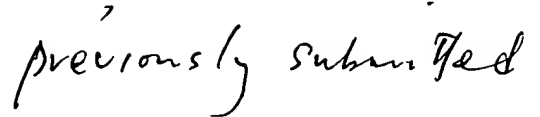
Examiner Signature		Date Considered	October 2, 2003
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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

**Complete if Known**

Application Number	09/617,439
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<b>Filing Date</b>	July 14, 2000
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First Named Inventor	Jin-Meng Ho
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Art Unit	2664
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Examiner Name	W. Chin
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Attorney Docket Number	003943.00086
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Sheet	2	of	2
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[illegible]Date  
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Applicant's unique citation designation number (optional). \* Applicant is to place a check mark here if English language translation is required. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 120 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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Page 1 of 9

A. 11/17/2003 from 2000-03999

SEP 14 2005



Form PTO-1449

Information Disclosure Citation

Attorney Docket

2000-0405

Application No.

09/617,439

Applicant

Jin-Meng HO et al.

Examiner

Blanche WONG

Application Filing Date

July 14, 2000

Group Art Unit

2667

## U.S. Patent Documents

Examiner Initials	Cite	Patent / Application Number	Date	Name	Class	Sub-Class	Filing Date
BW	A	6,567,408 -	5/2003	Li et al.			
BW	B	6,262,976 -	7/2001	McNamara			
BW	C	6,600,744 -	7/2003	Carr et al.			
BW	D	6,538,989 -	3/2003	Carter et al.			
BW	E	6,625,156 -	9/2003	Shaio et al.			
BW	F	6,452,915 -	9/2002	Jorgensen			
BW	G	6,317,438 -	11/2001	Trebes, Jr.			
	H						
	I						
	J						
	K						

## Foreign Patent Documents

Examiner Initials	Cite	Document Number	Date	Country	Name	Class	Sub-Class	Translation
BW	L	JP02072736A	3-1990	JP	Kurokawa			
	M							
	N							
	O							
	P							

## Other Documents (Including Author, Title, Date, Pertinent Pages, etc.)

	Q	
	R	
	S	

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1/2/2004 from 2000-0396

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Form PTO-1449

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Attorney Docket 2000-0405		Application No. 09/617,439	
Applicant Jin-Meng HO et al.		Examiner Blanche WONG	
Application Filing Date July 14, 2000		Group Art Unit 2667	

U.S. Patent Documents

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BW	A	5,717,688	2/1998	Belanger et al.			
	B						
	C						
	D						
	E						
	F						
	G						
	H						
	I						
	J						
	K						

Foreign Patent Documents

Examiner Initials	Cite	Document Number	Date	Country	Name	Class	Sub-Class	Translation
	L							Yes No
	M							Yes No
	N							Yes No
	O							Yes No
	P							Yes No

Other Documents (Including Author, Title, Date, Pertinent Pages, etc.)

BW	Q	Cali et al. "IEEE 802.11 Wireless LAN: Capacity Analysis and Protocol Enhancement," IEEE, 0-7803-4386-7/98, pages 1-8, 1998.					
BW	R	Deng et al. "A Priority Scheme for IEEE 802.11 DCF Access Method," IEICI Trans. Comm., Vol. E82-B, No. 1, pp. 96-102, January 1999.					
	S						

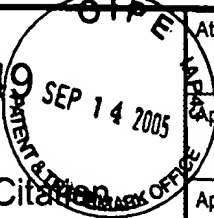
Examiner Signature <i>[Signature]</i>	Date Considered October 2, 2005
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other document 7 was previously submitted

C. 5/13/2004 from 2000-0398

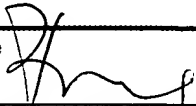
<b>Form PTO-1449</b> Information Disclosure Citations				Attorney Docket 2000-0405	Application No. 09/617,439
Applicant Jin-Meng HO et al.				Examiner Blanche WONG	
Application Filing Date July 14, 2000				Group Art Unit 2667	



U.S. Patent Documents							
Examiner Initials	Cite	Patent / Application Number	Date	Name	Class	Sub-Class	Filing Date
RW	A	5,623,495	4/1997	Eng et al.			
RW	B	5,982,748	11/1999	Yin et al.			
	C						
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Foreign Patent Documents								
Examiner Initials	Cite	Document Number	Date	Country	Name	Class	Sub-Class	Translation
	L							Yes No
	M							Yes No
	N							Yes No
	O							Yes No
	P							Yes No

Other Documents (Including Author, Title, Date, Pertinent Pages, etc.)		
RW	Q	Zhijun, Gong, et al. "QoS guaranteed Wireless LAN—Wireless access to ATM", <i>International Conference on Communication Technology, ICCT'98</i> , October 22-24, 1998, Beijing, China, pages S31-11-1 through S31-11-5.
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D. 6/21/2004 from 2000-0403



## Form PTO-1449

## Information Disclosure Citation

Attorney Docket

2000-0405

Application No.

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Examiner

Blanche WONG

Application Filing Date

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## U.S. Patent Documents

Examiner Initials	Cite	Patent / Application Number	Date	Name	Class	Sub- Class	Filing Date
RW	A	6,366,577	4-2002	Donovan			
RW	B	5,638,371	6-1997	Raychaudhuri <i>et al.</i>			
RW	C	6,728,365	4-2004	Li <i>et al.</i>			
RW	D	6,738,361	5-2004	Immonen <i>et al.</i>			
RW	E	6,628,629	9-2003	Jorgenson			
<del>RW</del>	F						
	G						
	H						
	I						
	J						
	K						

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	L							Yes No
	M							Yes No
	N							Yes No
	O							Yes No
	P							Yes No

## Other Documents (Including Author, Title, Date, Pertinent Pages, etc.)

RW	Q	RFC 2814, Yavatkar <i>et al.</i> , "SBM (Subnet Bandwidth Manager)", May 2000, www.ietf.org.						
RW	R	RFC 2205, Braden <i>et al.</i> , "Resource Reservation Protocol (RSVP)", September 1997, www.ietf.org.						
	S							

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E. 10/13/2004 from 2000-0406

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Group Art Unit

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RW	A	6,411,611	06/2002	van der Tuijn			
RW	B	6,741,576	05/2004	Alimi <i>et al.</i>			
RW	C	6,747,968	06/2004	Seppala <i>et al.</i>			
RW	D	6,785,252	08/2004	Zimmerman <i>et al.</i>			
RW	E	6,119,214	09/2000	Dirks			
RW	F	6,738,361	05/2004	Immonen <i>et al.</i>			
RW	G	6,597,682	07/2003	Kari			
RW	H	6,115,390	09/2000	Chuah			
RW	I	6,034,967	03/2000	Citta			
RW	J	6,765,872	07/2004	Tazaki			
AW	K	6,704,321	03/2004	Kamiya			
RW	L	6,563,793	05/2003	Golden <i>et al.</i>			

## Foreign Patent Documents

Examiner Initials	Cite	Document Number	Date	Country	Name	Class	Sub- Class	Trans- lation
	M							Yes No
	N							Yes No
	O							Yes No
	P							Yes No
	Q							Yes No

## Other Documents (Including Author, Title, Date, Pertinent Pages, etc.)

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	S	
	T	

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Date Considered

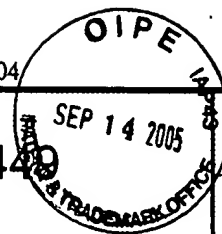
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F. 10/13/2004 from 2000-0404

Form PTO-1440

## Information Disclosure Citation



Attorney Docket

2000-0405

Application No.

09/617,439

Applicant

Jin-Meng HO et al.

Examiner

Blanche WONG

Application Filing Date

July 14, 2000

Group Art Unit

2667

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RW	A	5,949,768 -	09-1999	Citta <i>et al.</i>			
RW	B	6,377,548 -	04-2002	Chuah			
RW	C	6,567,416 -	05-2003	Chuah			
RW	D	6,587,453	07-2003	Romans <i>et al.</i>			
RW	E	6,704,932	03-2004	Matsunaga <i>et al.</i>			
RW	F	6,747,968	06-2004	Seppala <i>et al.</i>			
RW	G	6,754,176	06-2004	Gubbi <i>et al.</i>			
RW	H	6,788,950	09-2004	Raissinia <i>et al.</i>			
	I						
	J						
	K						

Same as Case Comp

## Foreign Patent Documents

Examiner Initials	Cite	Document Number	Date	Country	Name	Class	Sub-Class	Translation
	L							Yes No
	M							Yes No
	N							Yes No
	O							Yes No
	P							Yes No

## Other Documents (Including Author, Title, Date, Pertinent Pages, etc.)

	Q	
	R	
	S	

Examiner Signature

Date Considered

October 2, 2005

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

G. 11/1/2004 from 2000-0401 and 0402

Form PTO-1449

SEP 14 2005

## Information Disclosure Citations

Attorney Docket

2000-0405

Application No.

09/617,439

Applicant

Jin-Meng HO et al.

Examiner

Blanche WONG

Application Filing Date

July 14, 2000

Group Art Unit

2667

## U.S. Patent Documents

Examiner Initials	Cite	Patent / Application Number	Date	Name	Class	Sub- Class	Filing Date
Same as E on p. 5	A	6,119,214	09/2000	Dirks			
Same as G on p. 5	B	6,597,682	07/2003	Kari			
Same as F on p. 5	C	6,640,248	10/2003	Jorgensen			
Same as E on p. 5	D	6,738,361	05/2004	Immonen et al.			
Same as E on p. 6	E	6,747,968	06/2004	Seppala et al.			
Same as L on p. 5	F	6,563,793	05/2003	Golden et al.			
Same as K on p. 5	G	6,704,321	03/2004	Kamiya			
Same as J on p. 5	H	6,765,872	07/2004	Tazaki			
	I						
	J						
	K						

## Foreign Patent Documents

Examiner Initials	Cite	Document Number	Date	Country	Name	Class	Sub- Class	Trans- lation
	L							Yes No
	M							Yes No
	N							Yes No
	O							Yes No
	P							Yes No

## Other Documents (Including Author, Title, Date, Pertinent Pages, etc.)

BW	Q	R. Yavatkar et al., "SBM: A Protocol for RSVP-based Admission Control over IEEE-802-style Networks", Internet Engineering Task Force, RFC 2814, May 2000.						
BW	R	R. Braden, "Resource Reservation Protocol (RSVP) ver. 1 "Internet Engineering Task Force, RFC 2205, September 1997.						
	S							

Examiner Signature

Date Considered

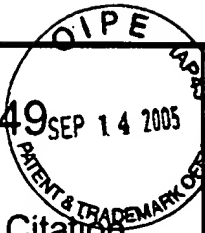
October 2, 2005

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Some were previously submitted

H. 6/15/2005 from 2000-0404

<b>Form PTO-1449</b> Information Disclosure Citation	Attorney Docket 2000-0405	Application No. 09/617,439
	Applicant Jin-Meng HO et al.	Examiner Blanche WONG
	Application Filing Date July 14, 2000	Group Art Unit 2667



U.S. Patent Documents								
Examiner Initials	Cite	Patent/Application Number	Date	Name	Class	Sub-Class	Filing Date	
RW	A	5,949,768	9/1999	Citta et al.				
RW	B	6,377,548	4/2002	Chuah				
BW	C	6,567,416	5/2003	Chuah				
RW	D	6,587,453	7/2003	Romans et al.				
RW	E	6,704,932	3/2004	Matsunaga et al.				
BW	F	6,747,968	6/2004	Seppala et al.				
BW	G	6,754,176	6/2004	Gubbi et al.				
BW	H	6,788,950	9/2004	Raissinia et al.				
	I							
	J							
	K							

Foreign Patent Documents								
Examiner Initials	Cite	Document Number	Date	Country	Name	Class	Sub-Class	Translation
	L							Yes No
	M							Yes No
	N							Yes No
	O							Yes No
	P							Yes No

Other Documents (Including Author, Title, Date, Pertinent Pages, etc.)								
	Q							
	R							
	S							

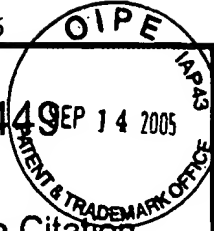
Examiner Signature 	Date Considered October 2, 2005
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Some were previously submitted

I. 6/30/2005 from 2000-0406



Form PTO-1449

Information Disclosure Citation

Attorney Docket

2000-0405

Application No.

09/617,439

Applicant

Jin-Meng HO et al.

Examiner

Blanche WONG

Application Filing Date

July 14, 2000

Group Art Unit

2667

U.S. Patent Documents

Examiner Initials	Cite	Patent / Application Number	Date	Name	Class	Sub-Class	Filing Date
RW	A	6,411,611	6/2002	van der Tuijn			
RW	B	6,741,576	5/2004	Alimi et al.			
RW	C	6,747,968	6/2004	Seppala et al.			
RW	D	6,785,252	8/2004	Zimmerman et al.			
RW	E	6,119,214	9/2000	Dirks			
RW	F	6,738,361	5/2004	Immonen et al.			
RW	G	6,597,682	7/2003	Kari			
RW	H	6,115,390	9/2000	Chuah			
RW	I	6,034,967	3/2000	Citta et al.			
RW	J	6,765,872	7/2004	Tazaki			
RW	K	6,704,321	3/2004	Kamiya			
RW	L	6,563,793	5/2003	Golden et al.			

Foreign Patent Documents

Examiner Initials	Cite	Document Number	Date	Country	Name	Class	Sub-Class	Translation
	M							Yes No
	N							Yes No
	O							Yes No
	P							Yes No

Other Documents (Including Author, Title, Date, Pertinent Pages, etc.)

	Q	
	R	
	S	

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October 2, 2005

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